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From:

SCULLY, SCOTT, MURPHY & PRESSER

Re: Timothy J. Miller, et al.

U.S. Patent Appln. No. 10/646,874

RECOMBINANT FELINE CORONAVIRUS S PROTEINS

Our Docket: 15463ZYXWV

COMMENTS:

The Filing Receipt for the above-identified Patent Application has the Domestic Priority data as claimed by applicant incomplete and should read: Domestic Priority data as claimed by applicant: This application is a CON of 09/854,799 05/14/2001 PAT 6,642,359 which is a CON of 08/392,459 02/22/1995 PAT 6,280,974 which is a CON of 07/847,018 04/08/1992 ABN; which is a 371 of PCT/US91/08525, filed 11/14/1991; which is a CIP of 07/698,927 5/13/1991 ABN; which is a CIP of 07/613,066 11/14/1990 ABN;

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CONFIRMATION NO. 6784

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Date Mailed: 12/22/2003

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Applicant(s)

Timothy J. Miller, Malvern, PA; Albert Paul Reed, Exton, PA; Sharon R. Klepfer, Clifton Heights, PA; Nancy E. Pfeiffer, Seward, NE; Brian T. Suiter, Lincoln, NE; Elaine V. Jones, Wynnewood, PA;

Assignment For Published Patent Application

Pfizer, Inc., New York, NY;

Domestic Priority data as claimed by applicant

This application is a CON of 09/854,799 05/14/2001 PAT 6,642,359 which is a CON of 08/392,459 02/22/1995 PAT 6,280,974 which is a CON of 07/847 018 04/08/1992 ABN

Foreign Applications

134

If Required, Foreign Filing License Granted: 12/19/2003

Projected Publication Date: 04/01/2004

Non-Publication Request: No

Early Publication Request: No

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rage 2 or 2

Title

Recombinant feline coronavirus S proteins

Preliminary Class

435

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IN THE SPECIFICATION:

Please insert at page 1, line 2, with the following paragraph:

-- Cross Reference To Related Applications

The present application is a continuation of Application Serial No. 09/854,799, filed May 14, 2001, which is a continuation of Application Serial No. 08/392,459, filed February 22, 1995; which is a continuation of Application Serial No. 07/847,018, filed April 8, 1992, now abandoned; which is a 371 of PCT/US91/08525, filed November 14, 1991; which is a continuation-in-part of Application Serial No. 07/698,927, filed May 13, 1991, now abandoned; which is a continuation-in-part of Application Serial No. 07/613,066, filed November 14, 1990, now abandoned.-

Please amend the paragraph beginning on page 8, line 7, as follows:

Figure 3 (3-1 to 3-2) illustrates Figures 3A-3B illustrate the nucleotide f(SEQ ID NO: 19)} and amino acid sequence [(SEQ ID NO: 20)} of the PCR expression clone AR58-3. Please amend the paragraph beginning on page 8, line 10, as follows:

Figure 4 (4-1 to 4-12) illustrates Figures 4A-4L illustrate the S gene nucleotide and amino acid sequences of DF2 FIPV [(SEQ ID N O: 21 and 22)]. Also illustrated is a fragment of the sequences of DF2-HP {(SEQ ID NO: 23 and 24)} which are identical to the sequences of DF2 FIPV (to the extent DF2 FIPV has been sequenced) with the exception of the nucleotide changes above and amino acid differences below the DF2-HP sequences.

Please amend the paragraph beginning on page 8, line 17, as follows:

Figure 5 (5-1-to-5-12) illustrates Figures 5A-5L illustrate a fragment of the S gene TS-BP nucleotide sequence {(SEQ ID NO: 27)} and amino acid sequence {(SEQ ID NO: 28)} by

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	07/847,018	04/08/92	1806 \$2,09	6.00 14532-CIF	P-2 30	50	11

WILLIAM T. KING SMITHKLINE BEECHAM CORPORATION CORPORATE PATENTS-U.S., UW2220 P.O. BOX 1539 KING OF PRUSSIA, PA 19406-0939

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Applicant(s)

TIMOTHY J. MILLER, MALVERN, PA; ALBERT P. REED, EXTON, PA; SHARON R. KLEPFER, CLIFTON HEIGHTS, PA; NANCY E. PFEIFFER, SEWARD, NE; BRIAN T. SUITER, LINCOLN, NE; ELAINE V. JONES, WYNNEWOOD, PA.

FOREIGN/PCT APPLICATIONS-PCT

PCT/US91/08525 11/14/9

FOREIGN FILING LICENSE GRANTED 01/05/93 TITLE RECOMBINANT FELINE CORONAVIRUS S PROTEINS

PRELIMINARY CLASS: 424

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(see reverse)



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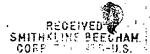
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5: A61K 39/12, C07K 3/00 C07H 15/12, C12P 21/06 C12Q 1/70, 1/68, A61K 35/14	A1) International Publication Number:) International Publication Date:	WO 92/08487 29 May 1992 (29.05.92)
(21) International Application Number: PCT/US (22) International Filing Date: 14 November 1991 (30) Priority data: 613,066 16 November 1990 (16.11 698,927 13 May 1991 (13.05.91) (71) Applicant (for all designated States except US): KLINE BEECHAM CORPORATION [US/U porate Patents - U.S., 709 Swedeland Road, 1539, King of Prussia, PA 19406 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): MILLER, Ti [US/US]; 102 Crestside Way, Malvern, PA 19: REED, Albert, Paul [US/US]; 117 Baker Circl PA 19341 (US). KLEPFER, Sharon, R. [US/US Gienwood Avenue, Clifton Heights, PA 190 PFEIFFER, Nancy, E. [US/US]; Route 1, Bo ward, NB 68434 (US). SUITER, Brian, T. [6211 South 42nd Street, Lincoln, NB 685 JONES, Elaine, V. [US/US]; 1217 Andove Greenhill Farms, PA 19151 (US).	(14.11. 1.90) SMIT JS]; C P.O. E mothy, 355 (U le, Exte 5]; 136 118 (U ix 20,	US US US TH-Cor-Box N. J.S). Se-IS); JS).	 (74) Agents: KING, William, T. et Corporation, Corporate Pater Swedeland Road, P.O. Box 1 19406 (US). (81) Designated States: AT (European patent), CA, CH (European patent), IX (European patent), FR (European patent), (European patent), IT (European patent), NL (European patent), NL (European patent), US. Published With international search report 	nts - U.S. (UW2220), 709 539, King of Prussia, PA n patent), AU, BE (European patent), DE (European patent), ES (European patent), GR ean patent), JP, KR, LU ppean patent), SE (Euro-

(54) Title: RECOMBINANT FELINE CORONAVIRUS S PROTEINS

(57) Abstract

Novel galactokinase/FIPV S fusion proteins and their use as vaccine components, therapeutic agents, diagnostic agents, as well as methods of making same are provided.



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PATRICK A. SCHRECK	. : :	AND .	37 CFR 1.494 OR 1.495					
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P. O. BOX 1539 KING OF PRUSSIA, PA 19406-093 File Reference								
IDENTIFICATION OF THE INTERNATIONAL APPLICATION								
International application Number PCT/US91/08525	International filin 14 NOV	g date / 1991	Priority date claimed 14 NOV 1990					
Applicant for DO/EO/US								
MILLER, TIMOTHY J.								
W. T.	NOTIFICAT	ION						
The applicant is hereby advised the			1 Trademark Office in its					
capacity as a Designated Office	ze. Elected @	office, has dete	ermined that the above identified					
international application has met	the requiremen	rs of 35 U.S.C	371 and 37 CFR X 1.494.					
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The United States Serial Number assigned to the application and the relevant dates are:								
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		3	371 REQUIREMENTS					
A request for immediate examination under 35 U.S.C. 371 (f) was received on								
and the application will be examined in turn.								
No request for immediate examination under 35 U.S.C. 371(f) was received. The								
application will not be processed or examined before the time limit set forth in either								
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